

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) A method for removing sodium oxalate from a Bayer liquor, the method comprising removing a stream of the liquor, treating it to be supersaturated with sodium oxalate, and then subjecting it to ultrasonic irradiation, and removing resultant crystals.

2. (Original) A method as claimed in claim 1 wherein the stream of the supersaturated liquor is subjected to ultrasonic irradiation for a time no more than 30 seconds, more preferably no more than 10 seconds, for example 2 seconds or 3 seconds.

3. (Original) A method as claimed in claim 2 wherein the stream is caused to flow through a duct, and the contents of the duct are continuously subjected to ultrasonic irradiation.

4. (Original) A method as claimed in claim 3 wherein the ultrasound is applied using a multiplicity of ultrasonic transducers attached to a wall of the duct in an array of separate transducers extending both circumferentially and longitudinally, each transducer being connected to a signal generator so that the transducer radiates no more than 3 W/cm², the transducers being sufficiently close together and the number of transducers being sufficiently high that the power dissipation within the vessel is between 25 and 150 W/litre.

5. (Original) A method as claimed in claim 4 wherein

the duct is of width at least 0.10 m.

6. (Currently Amended) A method as claimed in claim 1
~~any one of the preceding claims~~ wherein the Bayer liquor is
first treated by evaporation so that it becomes supersaturated
with sodium oxalate.

7. (Currently Amended) A method as claimed in claim 1
~~any one of the preceding claims~~ wherein the crystals resulting
from ultrasonic irradiation are contacted with liquor that is
supersaturated with sodium oxalate so the crystals grow,
before removing resultant crystals.

8. (Currently Amended) A method as claimed in claim 1
~~any one of the preceding claims~~ wherein a stream of liquid
that is supersaturated in sodium oxalate and which contains
crystals of sodium oxalate is subjected to ultrasonic irradia-
tion, to cause more crystal growth.

9. (Original) A Bayer liquor treatment apparatus for
removing sodium oxalate from a Bayer liquor, the apparatus
comprising means to make a stream of the liquor supersaturated
with sodium oxalate, means to subject supersaturated liquor to
ultrasonic irradiation, and means to remove the resultant
crystals.

10. (Original) An apparatus as claimed in claim 9
wherein the ultrasonic irradiation means comprises a duct with
a multiplicity of ultrasonic transducers attached to a wall of
the duct in an array of separate transducers extending both
circumferentially and longitudinally, each transducer being
connected to a signal generator arranged such that the trans-
ducer radiates no more than 3 W/cm², the number and the proxim-
ity of the transducers being sufficient that the power dissi-

pation within the vessel in use is between 25 and 150 W/litre.

11. (Currently Amended) An apparatus as claimed in ~~claim 9 or~~ claim 10 also comprising a vessel in which supersaturated liquor is combined with the liquor that has been subjected to ultrasonic irradiation, before removal of any resultant crystals.

12. (Currently Amended) An apparatus as claimed in claim 9, ~~claim 10 or claim 11~~ also comprising means to subject a stream of liquid that is supersaturated in sodium oxalate and which contains crystals of sodium oxalate to ultrasonic irradiation, to cause more crystal growth.